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L1	4151	dNTP same (mg\$2 or mgcl2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/29 17:25
L2	155	l1 same (greater or excess)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/29 17:24
L5	414	dNTP near2 (greater or excess)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/29 17:25
L6	15	l5 same (mg\$2 or mgcl2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/29 17:25
S1	55	gary near2 gerard.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 16:52
S2	1	S1 and (reverse adj transcripase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/28 16:53
S3	29	S1 and (reverse adj transcriptase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/29 17:22

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- ☐ 1: [Shandilya H, Griffiths K, Flynn EK, Astatke M, Shih PJ, Lee JE, Gerard GF, Gibbs MD, Bergquist PL.](#) Related Articles, Links

Thermophilic bacterial DNA polymerases with reverse-transcriptase activity.

Extremophiles. 2004 Jun;8(3):243-51. Epub 2004 Apr 9.

PMID: 15197605 [PubMed - indexed for MEDLINE]

- ☐ 2: [Gerard GF, Potter RJ, Smith MD, Rosenthal K, Dhariwal G, Lee J, Chatterjee DK.](#) Related Articles, Links

The role of template-primer in protection of reverse transcriptase from thermal inactivation.

Nucleic Acids Res. 2002 Jul 15;30(14):3118-29.

PMID: 12136094 [PubMed - indexed for MEDLINE]

- ☐ 3: [Gerard GF, Fox DK, Nathan M, D'Alessio JM.](#) Related Articles, Links

Reverse transcriptase. The use of cloned Moloney murine leukemia virus reverse transcriptase to synthesize DNA from RNA.

Mol Biotechnol. 1997 Aug;8(1):61-77.

PMID: 9327398 [PubMed - indexed for MEDLINE]

- ☐ 4: [Basu A, Nanduri VB, Gerard GF, Modak MJ.](#) Related Articles, Links

Substrate binding domain of murine leukemia virus reverse transcriptase. Identification of lysine 103 and lysine 421 as binding site residues.

J Biol Chem. 1988 Feb 5;263(4):1648-53.

PMID: 2448299 [PubMed - indexed for MEDLINE]

- ☐ 5: [Kotewicz ML, Sampson CM, D'Alessio JM, Gerard GF.](#) Related Articles, Links

Isolation of cloned Moloney murine leukemia virus reverse transcriptase lacking ribonuclease H activity.

Nucleic Acids Res. 1988 Jan 11;16(1):265-77.

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- ☐ 6: [Gerard GF, D'Alessio JM, Kotewicz ML, Noon MC.](#) Related Articles, Links











Influence on stability in Escherichia coli of the carboxy-terminal structure of cloned Moloney murine leukemia virus reverse transcriptase.

DNA. 1986 Aug;5(4):271-9.

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- ☐ 7: [Copeland TD, Gerard GF, Hixson CW, Oroszlan S.](#) Related Articles, Links

Amino- and carboxyl-terminal sequence of Moloney murine leukemia

-  virus reverse transcriptase.  
Virology. 1985 Jun;143(2):676-9.  
PMID: 2414914 [PubMed - indexed for MEDLINE]
- ☐ **8:** [Kotewicz ML](#), [D'Alessio JM](#), [Driftmier KM](#), [Blodgett KP](#), [Gerard GF](#) [Related Articles](#), [Links](#)
-  Cloning and overexpression of Moloney murine leukemia virus reverse transcriptase in Escherichia coli.  
Gene. 1985;35(3):249-58.  
PMID: 2412939 [PubMed - indexed for MEDLINE]
- ☐ **9:** [Gerard GF](#) [Related Articles](#), [Links](#)
-  Multiple RNase H activities in mammalian type C reovirus lysates.  
J Virol. 1978 Apr;26(1):16-28.  
PMID: 77333 [PubMed - indexed for MEDLINE]
- ☐ **10:** [Gerard GF](#), [Loewenstein PM](#), [Green M](#) [Related Articles](#), [Links](#)
-  Detection in human ovary and prostate tumors of DNA polymerase activity that copies poly(2'-O-methylcytidylate) . oligodeoxyguanylate.  
Cancer Res. 1978 Apr;38(4):1008-11.  
PMID: 76507 [PubMed - indexed for MEDLINE]
- ☐ **11:** [Green M](#), [Rankin A](#), [Gerard GF](#), [Grandgenett DP](#), [Green MR](#) [Related Articles](#), [Links](#)
-  Inhibition of purified DNA polymerase of RNA tumor viruses by fluoranthene derivatives and analogues of tilorone hydrochloride.  
J Natl Cancer Inst. 1975 Aug;55(2):433-42.  
PMID: 51087 [PubMed - indexed for MEDLINE]
- ☐ **12:** [Gerard GF](#), [Loewenstein PM](#), [Green M](#), [Rottman F](#) [Related Articles](#), [Links](#)
-  Detection of reverse transcriptase in human breast tumours with poly (Cm)-oligo(dG).  
Nature. 1975 Jul 10;256(5513):140-3. No abstract available.  
PMID: 50561 [PubMed - indexed for MEDLINE]
- ☐ **13:** [Gerard GF](#) [Related Articles](#), [Links](#)
-  Poly (2'-O-methylcytidylate).oligodeoxyguanylate, a template-primer specific for reverse transcriptase, is not utilized by HeLa cell gamma DNA polymerases.  
Biochem Biophys Res Commun. 1975 Apr 7;63(3):706-11. No abstract available.  
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- ☐ **14:** [Green M](#), [Gerard GF](#), [Grandgenett DP](#), [Gurgo C](#), [Rankin AM](#), [Green MR](#), [Cassell DM](#) [Related Articles](#), [Links](#)
-  Biochemical suppression of tumor virus activity.  
Cancer. 1974 Oct;34(4 Suppl):suppl:1427-38. No abstract available.  
PMID: 4138484 [PubMed - indexed for MEDLINE]
- ☐ **15:** [Gerard GF](#), [Gurgo C](#), [Grandgenett DP](#), [Green M](#) [Related Articles](#), [Links](#)
-  Rifamycin derivatives: specific inhibitors of nucleic acid polymerases.  
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- ☐ **16:** [Grandgenett DP](#), [Gerard GF](#), [Green M](#) [Related Articles](#), [Links](#)
-  Ribonuclease H: a ubiquitous activity in virions of ribonucleic acid tumor viruses.